

LIQUID CRYSTAL DISPLAY DEVICE

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Abstract

PURPOSE:To reduce signal distortion, and restrain the deterioration in contrast and the nonuniformity of brightness by forming an auxiliary capacity electrode over the whole surface of a substrate, arranging plural input terminals around it, and reducing resistance of the input terminals as the whole pulses.

CONSTITUTION:An ITO auxiliary capacity electrode 11 is arranged over the whole surface of a glass substrate 10, and a dielectric film is formed on it, and gate lines 15 and gate electrodes are arranged on the dielectric film. Plural drain lines 23 and drain electrodes arranged so as to cross the gate lines 15 are formed on a gate insulating film formed on the dielectric film. Gate input terminals 16 are formed on the side facing in the line direction of the glass substrate 10, and drain input terminals 24 are formed on the side facing in the row direction, respectively. Auxiliary capacity input terminals 12 are arranged uniformly between the gate input terminals 16 and the drain input terminals 24 on the dielectric film on the four sides of the glass substrate 10, and are connected to the auxiliary capacity electrode 11, and are connected to a counter electrode on a counter substrate by electrically conductive paste.

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